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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	M4065.0715/P715
	First Inventor	John T. Moore
	Title	METHOD TO REFRESH A PCRAM MEMORY DEVICE
Express Mail Label No.		19587 U.S.PTO 07/08/03 10/614160

APPLICATION ELEMENTS		ADDRESS TO: Box Patent Application Commissioner for Patents Washington, DC 20231
See MPEP chapter 600 concerning utility patent application contents.		
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i>	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input type="checkbox"/> Applicant claims small entity status.	8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(If applicable, all necessary)</i>	
3. <input checked="" type="checkbox"/> Specification [Total Pages 40]	a. <input type="checkbox"/> Computer Readable Form (CRF)	
(preferred arrangement set forth below)		
- Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure		
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 6]	b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper	
5. Oath or Declaration [Total Pages 4]	c. <input type="checkbox"/> Statements verifying identity of above copies	
a. <input checked="" type="checkbox"/> Newly executed (original or copy)	9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))	
b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i>	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i>	
i. <input type="checkbox"/> DELETION OF INVENTOR(S) <i>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</i>	11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i>	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations	
13. <input type="checkbox"/> Preliminary Amendment		
14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i>		
15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(If foreign priority is claimed)</i>		
16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.		
17. <input type="checkbox"/> Other: _____		

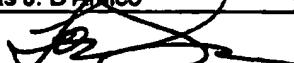
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 6b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	24998		<input type="checkbox"/> Correspondence address below
Name	DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Thomas J. D'Amico		
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Name (Print/Type)	Thomas J. D'Amico		Registration No. (Attorney/Agent) 28,371
Signature			Date July 8, 2003



1589153
 07/08/03
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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **1,756.00**

Complete If Known

Application Number	Not Yet Assigned
Filing Date	July 8, 2003
First Named Inventor	John T. Moore
Examiner Name	Not Yet Assigned
Group Art Unit	N/A
Attorney Docket No.	M4065.0715/P715

METHOD OF PAYMENT (check all that apply)

<input type="checkbox"/> Check	<input checked="" type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> Other	<input type="checkbox"/> None
<input checked="" type="checkbox"/> Deposit Account				
Deposit Account Number 04-1073				
Deposit Account Name Dickstein Shapiro Morin & Oshinsky LLP				
The Commissioner is hereby authorized to: (check all that apply)				
<input type="checkbox"/>	<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Credit any overpayments		
<input checked="" type="checkbox"/>	Charge any additional fee(s) during the pendency of this application			
<input type="checkbox"/>	Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.			

FEE CALCULATION (continued)

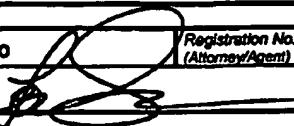
3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet.	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 820*	1804 820*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 485	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 885	Extension for reply within fifth month	
1401 320	2401 180	Notice of Appeal	
1402 320	2402 180	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40.00
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

**or number previously paid, if greater. For Reissues, see above

SUBMITTED BY		Complete if applicable		
Name (Print/Type)	Thomas J. D'Amico	Registration No. (Attorney/Agent)	43,383	Telephone (202) 828-4881
Signature		Date	July 8, 2003	